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(54) Title: IMPROVED RESIN COMPOSITIONS FOR EXTRUSION COATING

(57) Abstract: A composition is disclosed which is particularly suited for use in extrusion coating. The composition comprises a polymeric material having a rheology such that the slope S of a natural log-natural log plot of loss modulus (or G'') versus storage modulus (or G') is greater than $[0.635 \cdot (\text{melt index}) + 13.2] / [(\text{melt index}) + 16.6]$, and wherein the polymeric material has a CDF RI fraction less than 0.23 of a GPC chromatogram which has a molecular weight above 85,000 g/mol, and a CDF LS fraction of more than 0.07 at a conventional GPC molecular weight of 1,750,000 g/mol or greater. The compositions exhibit reduced neck-in when used in extrusion coating and the neck-in is independent of melt strength, thereby facilitating improved extrusion processes.



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